



## Equipping Girls to be Global STEAM Leaders

### TEACHHER

*“One of the things that I really strongly believe in is that we need to have more girls interested in math, science, and engineering. We’ve got half the population that is way underrepresented in those fields and that means that we’ve got a whole bunch of talent...not being encouraged the way they need to.”*

*-- President Barack Obama, February 2013*



**By 2020 there will be more than 1.4 million computing-related job openings in the United States alone.** (U.S. Dept of Labor) We can only fill about 30% of those jobs with U.S. computing bachelor's grads at current rates.

**Women make up only about 30% of the world's researchers** (United Nations) and have historically been even more under-represented in engineering fields, typically making up only 10-20% of the engineering workforce globally.

### TeachHer's Goal

- ◆ Provide teachers state-of-the art, gender-sensitive STEAM training within the core curriculum of participating UNESCO Member States that will inspire and impart STEAM skills to students in a gender-equal, engaging and empowering way.
- ◆ Impart best practices in girl-oriented STEAM courses and supplemental enrichment programs that will provide girls with additional opportunities to develop STEAM skills through app-development contests, engineering activities, access to mentors, and inspiring stories of women leaders.

### How can your government help?

- ◆ **Identifying and selecting the most passionate STEAM educators and administrators to participate**

*Example: Only you know where to find the most engaged and passionate teachers in your countries.*

- ◆ **Provide matching funds to support the costs of bringing additional participating educators to TeachHer training**

*Example: We can expand the number of participants being trained if participating governments agree to sponsor the travel of participating educators or identify other local sponsors willing to “adopt a teacher”.*

- ◆ **Seek sponsorship from local companies and organizations that have demonstrated interest in supporting women and girls education**

*Example: We could defray costs if airlines would agree to provide tickets or if hotels could donate rooms for educators coming to the program. Other local businesses could sponsor other segments of the partnership through cash contributions, product discounts, and logistical supplies.*

- ◆ **Provide venues and facilities for the teacher training**
- ◆ **Help translate open educational STEAM resources into local languages**